

## **ABSTRACT OF THE DISCLOSURE**

A system and method of logging multicast data messages in a communication network implement data logging methodologies mapped onto a multicast architecture exploiting the efficiencies inherent in multicasting techniques. A multicast logging system may include one or more Log Clients publishing log reports to one or more multicast addresses, one or more Log Servers subscribing to one or more multicast addresses and persisting selected log data, and a Log Viewer presenting a real-time view of log traffic directed to one or more multicast addresses. A method of logging multicast messages may incorporate such a system arrangement. Additionally, alarm messages comprising critical system data may be multicast using the foregoing system architecture and functionality.

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